



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

003453

D412-702-345
Job Sheet 177928



Part No: D412-702-345

Job Qty: 1 ea

Part Name: Shoulder Harness, 3-Point Att., Inertia Reel Continuous Belt, 4 Man Aft



MAY 28 2018

Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 5/23/18

Job Tracking No:

Due Date: 6/12/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG DSI9511 REV A IIN D412-702-2 Rev.B IPP Rev:A new issue DD 10.04.30 verified:EC

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea		6/12/18	0.00	0.00	Start Up Stores/Pkg-2		5/28/2018
110	Packaging	1 pcs		6/12/18	0.00	0.00	Packaging1-4		JUN 19 2018
120	QC	1 pcs		6/12/18	0.00	0.00	QC4		JAB 58
130	Packaging	1 pcs		6/12/18	0.00	0.00	Packaging3-2		JAB 9-89
135	DC	1 pcs		6/12/18	0.00	0.00	DC		21 180619
140	QC21-FG	1 Ea		6/12/18	0.00	0.00	QC21		

Part Op 130 - Identify and pack for shipping as per PPP D412-702-345 Location: _____ PPP Rev: _____

Descriptions: 135 - Photocopy bluefile & type labels per PPP D412-702-345 CHG001

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
AN4-16A	Bolt	2 Ea (2 ea)	90-Start up Operation	5068654
AN4-25A	Bolt	4 Ea (4 ea)	90-Start up Operation	FM137615
AN4-27A	Bolt	4 Ea (4 ea)	90-Start up Operation	5019361
D3572-041	Guide	2 Ea (2 ea)	90-Start up Operation	50654481
D412-702-311	Harness Assembly	1 Ea (1 ea)	90-Start up Operation	5075358
D412-702-313	Harness Assembly	1 Ea (1 ea)	90-Start up Operation	5075364
D412-702-321	Harness Assembly	1 Ea (1 ea)	90-Start up Operation	5075355
D412-702-323	Harness Assembly	1 Ea (1 ea)	90-Start up Operation	5075362
MS21042L4	Nut	6 Ea (6 ea)	90-Start up Operation	5056039
NAS1149D0463J	Washer	20 Ea (20 ea)	90-Start up Operation	5055952

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	AN4-16A	2	278	0
	AN4-25A	4	92	0
	AN4-27A	4	40	0
	D3572-041	2	3	0
	D412-702-311	1	1	0
	D412-702-313	1	1	0
	D412-702-321	1	1	0
	D412-702-323	1	1	0
	MS21042L4	6	2,836	0
	NAS1149D0463J	20	6,226	0

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____			
Description Work Order Deviation		Disposition			

DART AEROSPACE

Container No: S082140

Part: D412-702-345

Job No: 177928

Serial No/Batch: S082140

Revision: A / B

Inspector: _____

Exp Date: _____

Instructions: _____

Date: 06/19/18

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Root Cause			FAULT CATEGORY		
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐				

Part Specifications

Specifications could not be found.

Plex 5/23/18 11:07 AM Dart.lajeunesse.marie

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval 	
Description Work Order Deviation		Disposition			
				Completed By 	
				Lead hand / Supervisor Approval Verification 	
				QC / QA Coordinator Approval 	

Root Cause				FAULT CATEGORY			
Environment ☐		No Re-verification ☐		Pressure/Forced ☐		Temperature/Cure ☐	
Design ☐		Operator ☐		Bending ☐		Set-up ☐	
Doc/Data ☐		Offset/Setup ☐		Centre Not Concentric ☐		BOM/Route ☐	
Equip/Tooling ☐		Supplier ☐		Cracks ☐		Broken/Damage/Defect ☐	
Handling/Pre ☐		Training ☐		Crimp/Kink/Ripple/Wave ☐		Inspection Incomplete/Unqualified ☐	
Material ☐		Use for Testing ☐		Cuffs ☐		Contamination ☐	
Internal Transport ☐		Poor Information ☐		Crushing ☐		Countersink ☐	
Tribal Knowledge ☐		Rushing ☐		Heat Treat ☐		Cut Too Short ☐	
LOA ☐		Product Improvement ☐		Wave/Twist in Tube ☐		Instructions Incomplete/Unclear ☐	
Substation ☐		Process Improvement ☐		Marks/Chatter ☐		Drill Holes ☐	
Past Expiry Date ☐		Manufacturing Process ☐		OTHER : 			
Misidentified ☐		Past Due ☐					

QTY -337	QTY -341	QTY -343	QTY -345	QTY -347	QTY -349	QTY -351	Part Number	Description
X							D214-702-337	Dart 5-Man 3 Point Aft Facing Shoulder Harness Kit, for 214 Aircraft
	X						D412-702-341	Dart 13-Man 3-Point Shoulder Harness Kit
		X					D412-702-343	Dart 5-Man 3-Point Forward Facing Shoulder Harness Kit
			X				D412-702-345	Dart 4-Man 3-Point Aft Facing Shoulder Harness Kit
				X			D412-702-347	Dart 4-Man 3-Point Side Facing Shoulder Harness Kit
					X		D412-702-349	Dart 1-Man 3-Point Forward Facing Shoulder Harness Kit
						X	D412-702-351	Dart 1-Man 3-Point Shoulder Harness Kit
	1	1		1	1		D412-702-059	GROMMET KIT
	2	1		1			D412-702-301	HARNESS ASSEMBLY
	2	1		1			D412-702-303	HARNESS ASSEMBLY
	1	1			1		D412-702-305	HARNESS ASSEMBLY
	1	1				1	D412-702-307	HARNESS ASSEMBLY
	1	1					D412-702-309	HARNESS ASSEMBLY
1	1		1				D412-702-311	HARNESS ASSEMBLY
1	1		1				D412-702-313	HARNESS ASSEMBLY
	1			1			D412-702-315	HARNESS ASSEMBLY
	1			1			D412-702-317	HARNESS ASSEMBLY
1							D412-702-319	HARNESS ASSEMBLY
1	1		1				D412-702-321	HARNESS ASSEMBLY
1	1		1				D412-702-323	HARNESS ASSEMBLY
	2	2				1	D3542-1	BRACKET
	7	3		4	1		D3571-1	GUIDE
	2	2				1	D3571-3	GUIDE
	2		2				D3572-041	GUIDE ASSEMBLY
	12	6		6	2		D3578-041	DOUBLER
	2	2				1	D3610-041	BRACKET
	2	2				1	D3618-1	CAP
				2			D3677-1	SPACER
	9	5		4	1	1	D3761-1-041	HOOK AND LOOP STRIP
1							D3920-041	SEATBELT GUIDE ASSEMBLY
2							D3920-5	SEATBELT GUIDE
	4	4				2	AN4-10A	BOLT
1	2		2				AN4-16A	BOLT
1							AN4-21A	BOLT
7	4		4				AN4-25A	BOLT
	4		4				AN4-27A	BOLT
	2	2				1	AN4-44A	BOLT
18	26	6	20			3	AN960JD416	WASHER (OR NAS1149D0463J)
	4	4				2	AN960JD416L	WASHER (OR NAS1149D0416J)
	24	12		12	4		CR3212-4-4	RIVET
9	12	6	6			3	MS21042L4	NUT (OR MS21042-4)
				6			MS21069L3	ANCHOR NUT
	2	2				1	MS24693S274	SCREW
				2			MS24694S282	SCREW
	3	3			1		MS24694S56	SCREW
	10	2		8			MS24694S58	SCREW
	1	1			1		MS24694S60	SCREW